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TOP SECRET [redacted]

25X1

PRIORITY

P 291711Z
FM NPIC

1987 SEP 29 17 57Z

25X1

[redacted]

AFSSO PACAF
AFSSO ACIC
AFSSO FTD
AFSSO USAFE
CNO
OPCEN

OUT63228

Declass Review by NGA

[redacted]

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ZEM
T O P S E C R E T TTTTT [redacted]. CITE NPIC 1885.

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SUBJECT: CAMERA INFORMATION FOR MISSION 1101-1

1. THE MISSION UTILIZED TWO PAN CAMERAS, FOUR HORIZON CAMERAS, AND TWO STELLAR AND ONE INDEX CAMERA UNIT (DISIC).

2. CAMERA DATA

A. PAN CAMERA UNITS FORWARD AFT STAR HOR PORT HOR
FOCAL LENGTHS (MM) 609.625 609.600 FWD 54.652 FWD 54.772
AFT 54.599 AFT 54.648
FILTER (WRATTEN) FORWARD AFT STAR HOR PORT HOR
PRIMARY 23A 21 FWD 25 FWD 25
ALTERNATE 25 23A AFT 25 AFT 25
EXPOSURE (SEC) VARIABLE
FILM 3404 3404 3404 3404
RESOLUITION NOT AVAILABLE
SLIT WIDTHS (IN) POSITIONS 1 2 3 4 FAILSAFE
FWD .150 .171 .218 .272 .250
AFT .134 .134 .175 .225 .200
APERTURE NOT AVAILABLE

B. DISIC UNIT PORT STELLAR STAR STELLAR INDEX
FOCAL LENGTH (MM) 75.811 75.698 76.901
FILTER (WRATTEN) NONE NONE 12
APERTURE F2.8 F2.8 F4.5
EXPOSURE (SEC 1.5 1.5 1/250-1/500
FILM 3401 3401 3400 AND SO 230
RESOLUTION (L/MM) NOT AVAILABLE
SYSTEM NUMBER 1P 1 102

3. LENS DISTORTION -- DATA CONTAINED IN CALIBRATION REPORT

4. CAMERA ANGLES DEG. MIN.

A. ANGLE BETWEEN PAN CAMERAS 30 29

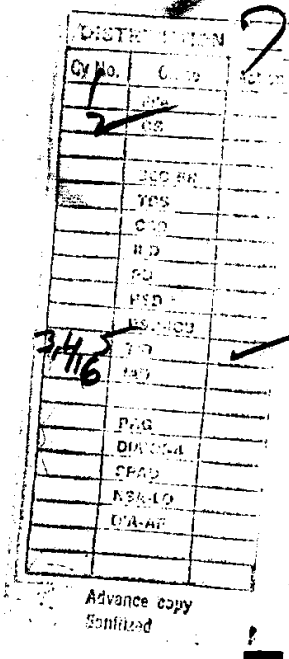
B. DEPRESSION ANGLE BETWEEN HORIZON AND PAN CAMERAS
FWD STAR DATA CONTAINED IN CALIBRATION REPORT
FWD PORT
AFT STAR
AFT PORT

C. ANGLE BETWEEN DUAL STELLAR AND TERRAIN CAMERAS. -- DATA CNNTAINED IN CALIBRATION REPORT

5. TIMING MARKS
FREQUENCY MARKS WILL APPEAR ON THE FILM AT A RATE OF 200 CYCLES PER SECOND.

6. IMAGE MOTION COMPENSATION DATA

PASSES	REF LEVEL	AMP LEVEL
1D AND 5D	4	14
6D THRU 25D	4	13



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GROUP 1 Excluded from automatic downgrading and declassification

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29D THRU 74D 5 13
85D 3 14
FOR ALL PASSES PRIMARY PERIOD 3056 SEC. SECONDARY PERIOD 2623,
SECONDARY RAMP FACTOR .051150.

7. PROGRAM TIME DATA

PASS	CAMERA ON TIME (ZULU TIME) DAY	HR	MIN	SEC	SEC	PROGRAM ON TIME UP RAMP	PROGRAM DURATION
1D	15	21	10	59	1076		34
5D	16	03	09	00	911		192
6D1	16	04	43	58	1508		100
6D2	16	04	48	13	1763		161
8D	16	07	37	13	1055		32
9AE	16	08	49	54	----		42
9D	16	09	09	47	1010		158
14D	16	16	43	41	954		80
16D	16	19	45	13	1051		34
20D	17	01	41	22	831		33
21D	17	03	25	20	1674		27
22D1	17	04	44	20	1567		124
22D2	17	04	48	35	1822		121
24D	17	07	39	49	753		132
25D1	17	09	10	58	827		103
25D2	17	09	16	38	1167		165
29D	17	15	26	01	1751		71
30D1	17	16	55	36	1732		92
30D2	17	17	04	56	2292		66
32D	17	19	46	06	1173		32
35D	18	00	07	55	699		203
36D	18	01	36	10	601		139
37D1	18	03	11	20	917		35
37D2	18	03	25	46	1783		45
37D3	18	03	31	19	2116		43
38D1	18	04	43	18	1043		113
38D2	18	04	47	14	1279		115
39D1	18	06	12	25	998		31
39D2	18	06	14	48	1141		112
40D	18	07	39	19	820		147
41D	18	09	15	53	1223		173
45D1	18	15	22	10	1635		79
45D2	18	15	24	54	1799		76
48D	18	19	44	50	1223		32
51D	19	00	08	48	891		84
54D1	19	04	38	33	910		100
54D2	19	04	43	09	1186		82
55D	19	06	08	01	889		195
56D	19	07	35	11	731		314
57D1	19	09	14	08	1280		161
57D2	19	09	24	03	1874		114
63D	19	18	12	46	1274		24
67D	20	00	03	10	752		29
68D	20	01	33	35	783		176
69D1	20	03	05	56	930		144
69D2	20	03	09	35	1148		154
70D	20	04	40	59	1239		48
71D	20	06	06	03	949		158

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72AE	20	07	15	45	----	42
72D1	20	07	32	24	736	50
72D2	20	07	34	05	836	54
72D3	20	07	35	39	931	58
72D4	20	07	38	02	1073	33
73D	20	09	12	16	1332	163
74D	20	10	40	55	1257	98
85D	21	03	06	54	1112	257

NOTE: ABOVE DATA APPLIES TO FWD AND AFT UNITS.

8. TIME CORRELATION (MILLISECONDS)

PASS	CLOCK TIME	SYSTEM TIME	DIFFERENCE
8D	451986.225	26146.6212	---
16D	496866.229	71026.6221	.003
24D	1647.622	26278.9241	.002
32D	46638.594	71269.8926	.003
40D	87925.871	26157.1663	.003
48D	132965.752	71197.0435	.004
56D	174465.268	26296.5558	.004
63D	213672.460	65503.7443	.003
72A	260667.080	26098.3598	.004
79D	300154.521	65585.7969	.004
89D	352496.963	31528.2335	.005

NOTE: ALL "DIFFERENCE" VALUES ARE PLUS

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END OF MESSAGE

S/C NOTE: ALSO PASSED [redacted] 25X1

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